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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/551,429	09/30/2005	Ryuta Miyoshi	278429US6PCT	6064
22850 7590 06/27/2008 OBLON, SPIVAK, MCCLELLAND MAIER & NEUSTADT, P.C. 1940 DUKE STREET ALEXANDRIA, VA 22314				
EXAMINER NATNAEL, PAULO S M				
ART UNIT 2622		PAPER NUMBER		
NOTIFICATION DATE 06/27/2008		DELIVERY MODE ELECTRONIC		

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

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Office Action Summary

Application No.

10/551,429

Applicant(s)

MIYOSHI, RYUTA

Examiner

PAULOS M. NATNAEL

Art Unit

2622

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-5 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 1-5 is/are rejected.
- 7) ☐ Claim(s) ____ is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 30 September 2005 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. ____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-946)
- 3) ☒ Information Disclosure Statement(s) (PTO/SE/US)
Paper No(s)/Mail Date ____.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date ____.
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: ____.

DETAILED ACTION

Claim Rejections - 35 USC § 112

1. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

2. Claims 2 and 4 is rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

In claim 2, the claimed "said rendering control means" lacks antecedent basis.

In claim 4, the claimed "said information processing means" lacks antecedent basis.

The claimed "said rendering control step" lacks antecedent basis.

The claimed "said predetermined rendering position" lacks antecedent basis.

Claim Rejections - 35 USC § 102

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

4. Claims 1-5 are rejected under 35 U.S.C. 102(b) as being anticipated by Bronson, U.S. Pat. No. 5,305,435.

Considering claim 1, the claimed:

- a) virtual picture storage means for storing a virtual picture, is met by inactive window memory 208 (Fig. 13; see also col. 7, lines 2-11)
- b) a plurality of information processing means for carrying out specified processing and for rendering a picture pertinent to said specified processing on said virtual picture, is met by the bit map processor 210 and the controller, not shown, which reads out the content of the frame memory 214 and outputs this data to a CRT 216. (col, 9, lines 52-54; Fig.13).
- c) re-rendering range calculating means for calculating, in case a picture rendered by a preset one of said plural information processing means is re-rendered, the smallest range including a picture prior to re-rendering and a picture subsequent to re-rendering, as a re-rendering range, is met by the CPU 204 (Fig.13).
- d) re-rendering requesting means for requesting picture re-rendering to other information processing means rendering a picture or pictures in said re-rendering range, is met by input devices such as the key board 200 and the pointing device (mouse) 202, Fig.13.

Regarding claim 2, the picture display apparatus according to claim 1 wherein a rendering position for a picture rendered by said information processing means is predetermined and wherein said rendering control means calculates the re-rendering range based on a predetermined rendering position, is met by the CPU 204, fig.13.

Regarding claim 3, a picture display method for displaying pictures, generated by a plurality of applications, on a sole real picture surface, comprising a re-rendering range calculating step of calculating, in case of re-rendering a picture generated by one of said applications, the smallest range including a picture prior to re-rendering and a picture subsequent to re-rendering, as a re-rendering range; a re-rendering requesting step of requesting re-rendering of a picture to the application which has generated the picture included in said re-rendering range; and a displaying step of displaying a picture, rendered in said re-rendering step, on a real picture surface.

Claim 3 is a method claim of claim 1 and therefore claim 3 is rejected for the same reasons as in claim 1.

Considering claim 4, the picture display method according to claim 3 wherein a rendering position for a picture rendered by said information processing means is predetermined and wherein said rendering control step calculates the re-rendering range based on said predetermined rendering position, is met by CPU 204, fig.13.

Considering claim 5, the claimed:

a) a picture display system comprising virtual picture storage means for storing a virtual picture surface, is met by inactive window memory 208 (Fig. 13; see also col. 7, lines 2-

b) at least one application for carrying out specified processing and for rendering a picture pertinent to said specified processing on said virtual picture surface, is met by the bit map processor 210 (Fig.13) and the controller, not shown, which reads out the content of the frame memory 214 and outputs this data to a CRT 216, (See application programs rendered on screen as illustrated on Figs. 1-8; col, 9, lines 52-54).

c) a picture server for controlling the picture rendering function of said application; said picture server calculating a re-rendering range of re-rendering of said window by said application and requesting re-rendering of said re-rendering range to another application rendering a window in said re-rendering range, is met by CPU, Fig. 13.

Conclusion

5. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Uchida et al. (U.S. 4,860 247) discloses multi-window control system.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to PAULO M. NATNAEL whose telephone number is (571)272-7354. The examiner can normally be reached on 8AM-4:30PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David Ometz can be reached on (571)272-7593. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/PAULOS M. NATNAEL/
Primary Examiner, Art Unit 2622

June 19, 2008